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EVERETTE VARNEY, MAYOR

**SPECIFICATIONS FOR FIREFIGHTER PROTECTIVE EQUIPMENT
BID OPENING: 2:00 PM PREVAILING LOCAL TIME**

March 19, 2013

SUMMARY:

The City of Georgetown is seeking BIDS for the Firefighter Protective Equipment for the period of March 1, 2013 through June 30, 2014. Bids will be accepted until 2:00 p.m., **March 19, 2013**, at the City Clerk's Office, 100 N. Court Street, Georgetown, KY 40324, at which time and place the bids will be opened. The City reserves the right to accept or reject any and all bids and to waive informalities. Bid Packages may be picked up at the City Clerk's Office, Monday through Friday, 8:00 a.m. to 4:00 p.m. or may be downloaded from the City of Georgetown website: www.georgetownky.gov.

GENERAL COMPLIANCE:

Please read these instructions carefully.

"NO BID:" Bidders unable or unwilling to submit a bid should immediately return the "Quote Sheet" only with "No Bid" marked clearly on the outside of the envelope. Any vendor not submitting a bid is encouraged to indicate the reason(s) for not participating.

ALTERNATE BIDS: It is not the intention of the specifications contained herewith to eliminate any bidder; however, quoted items must equal or exceed stated specifications. Alternate bids will be accepted only when such alternates have been requested.

INDICATION OF COMPLIANCE: The bidder shall indicate compliance with either a "Yes" or a "No" for each item specification. Blank spaces shall be considered non-compliance. Any deviation from the specification or where submitted literature does not fully support meeting the specification(s) must be clearly cited on the attached page labeled "Exceptions to Bid Specifications." No deviation below "minimum" specifications will be accepted.

At the time of bid submission, each bidder will be presumed to have inspected the site(s) and to have read and to be thoroughly familiar with the plans and contract documents (including any and all addenda). The failure or omission of any bidder to examine any form, instrument, or document shall in no way relieve any bidder from any obligation in respect to his bid.



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BID SUBMISSION: All pages of the bid shall be signed in ink on designated signature lines. Typed quotation sheets are preferred; however, if hand written, the sheets must be legible and in ink. Any pricing information that is illegible may result in the rejection of the bid.

Quotations must be made on the form provided. An accompanying letter of explanation is acceptable if bidder deems it necessary, but only quotes made on the provided forms will be evaluated.

All Bids, any accompanying letters, forms, samples, pictures, catalogs, or any other pertinent material that accompanies the bid becomes the property of the City of Georgetown and will not be returned to the bidder unless an agreement in writing is secured before the bid is submitted to the City of Georgetown.

The signed completed original bid package and two (2) copies must be sealed in an envelope with the bid number, project name, bidder's name and opening date clearly marked on the outside of the envelope. The first page of the original bid should be marked "Original" and the first page of the copies should be marked "Copy." The bid shall be addressed and delivered to City Clerk, 100 North Court Street, Georgetown, KY 40324 prior to bid opening scheduled for **March 19, 2013, 2:00 PM** prevailing local time.

ANY BIDS OR PROPOSALS NOT RECEIVED PRIOR TO SCHEDULED OPENING TIME WILL BE REJECTED AND RETURNED UNOPENED.

METHOD OF PROCUREMENT: Competitive Sealed Bidding (KRS 45A.365) will be the method of procurement for the purchase of the item(s) specified herein.

KENTUCKY OPEN RECORDS LAW: At the time a bid or proposal is submitted to the City, Vendor shall identify any information that is submitted as part of the bid that is proprietary or confidential in nature and not subject to release for public inspection. The City of Georgetown will protect any proprietary or confidential information to the extent allowable under the Kentucky Open Records Act.

NEW GOODS, FRESH STOCK: Unless otherwise specifically stated, all Contractors shall provide new commodities, fresh stock, latest model, design or package.

METHOD OF AWARD: This bid will be evaluated on the evaluation criteria established in the bid specifications.

The City of Georgetown reserves the right to reject any and all bids or to waive any irregularities in said bids. The right is also reserved to award bids based on the best interest and/or most advantageous to the City of Georgetown.

Award will be made to the lowest responsive and responsible bidder meeting specifications on each item. The City of Georgetown reserves the right to consider

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as a part of the bid evaluation the stated warranty, stated delivery schedule and payment terms.

PRICING: All prices shall be quoted exclusive of any taxes. The City of Georgetown is exempt from Federal excise, transportation and/or Kentucky sales tax. Any items supplied directly to the City from a supplier/manufacture are exempt from sales tax. Any items purchased by a contractor that will be used in the fulfillment of a contract are not exempt from sales tax.

In case of a discrepancy in the extension of a unit price, the unit price shall govern the total price.

Bidders must provide manufacturer's product literature if available and appropriate with the bid submission.

Prices quoted shall remain firm and open to acceptance by the City of Georgetown for a minimum period of sixty (60) days after bid opening.

DELIVERY SCHEDULE: Delivery date shall be specified on each item quoted. The vendor will be expected to fulfill the delivery as specified.

PAYMENT: The bid must clearly state the payment terms, including prompt payment discounts and payment due dates. Discounts should be figured into the unit price of the quoted item. The City of Georgetown reserves the right to select the most beneficial terms.

BONDING: A certified check or Bid Bond in the amount of five percent (5%) of the bid price must be included on the bid response. If a certified check is supplied it must be made payable to the City of Georgetown, and will be returned upon receipt of the performance bond and entering into a contract in accordance with specifications. In the event of failure to enter into a contract within the time period set forth in this bid, it is agreed the certified check may be cashed and the funds retained by the City of Georgetown as liquidated damages. Checks of unsuccessful bidders will be returned when the bid has been awarded.

The successful vendor shall provide a performance bond, with sufficient surety satisfactory to the City, in an amount equal to the contract price.

DEFAULT; TERMINATION OF CONTRACT: In the event that any of the provisions of this Contract are violated by the Vendor such breach shall constitute a default. In the event of a default, the Owner may serve written notice upon the Vendor of its intention to terminate the Contract, such notice to contain the reasons for such intention to terminate the Contract, and unless within ten (10) days after the serving of such notice upon the Vendor, such violation or delay shall cease and satisfactory arrangement of correction be made, the Contract shall, upon the expiration of said ten (10) days, cease and terminate.

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SAFETY: Vendor must perform work in a safe and timely fashion, maintain a clean and safe work environment, follow safety requirements established by OSHA and the City of Georgetown, and may be required to provide safety equipment. If, in the opinion of the City, safety precautions are not in existence, work will cease immediately until corrective action is taken. Work will begin again only when vendor demonstrates to the satisfaction of the City that conditions are without risk.

INSURANCE REQUIREMENTS: The successful bidder covenants and agrees to maintain and keep in force during the term of the contract worker's compensation, property, casualty, and general liability in the following minimum amounts:

<u>Type of Insurance</u>	<u>Limits</u>
Worker's Compensation	Statutory
Commercial General Liability	\$1,000,000/\$1,000,000 CSL
Commercial Automobile Liability	\$1,000,000

On all general and automobile liability policies of insurance contractor shall have the City named as an additional insured and shall further require that their liability carrier(s) notify the City at least thirty (30) days prior to the effective date of any change(s) in or cancellations of said insurance policies. A current copy of bidder's insurance certificate providing proof of insurance as stated above must be on file in the Purchasing Department prior to bid award. Submission of insurance certificate copy may be included with the bid package.

HOLD HARMLESS AGREEMENT: The contractor/subcontractor covenants to save, defend, keep harmless, and indemnify the City of Georgetown and all of its officers, departments, agencies, agents, and employees from and against all claims, loss, damage, injury, fine, penalties, and costs including court costs and attorney's fees, charges, liability, and exposure however caused resulting from, arising out of, or in any way connected with the contractor's/subcontractor's negligent performance or non-performance of the terms of the contract.

BIDDER'S QUALIFICATIONS: Vendor must demonstrate to the satisfaction of the City of Georgetown that he has adequate equipment, personnel, experience and understanding of the specifications to perform service under the contract.

No contract will be awarded to any bidder who, in the opinion of the City, is not qualified to perform satisfactorily due to a previously unfavorable performance, reputation or lack of experience, capital, organization, equipment, and/or personnel to conduct and complete the services in accordance with the terms and conditions of the contract.

Successful bidder must comply with the City of Georgetown ordinances relating to Occupational License Fees, Business Licenses, payroll and net profits and any other ordinances which may apply to any particular bid package.

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BIDDER PREFERENCE: Pursuant to KRS 45A.494, which is incorporated herein by reference: "a resident Bidder of the Commonwealth shall be given a preference against a nonresident Bidder registered in any state that gives or requires a preference to Bidders from that state. The preference shall be equal to the preference given or required by the state of the nonresident Bidder. "

EQUAL OPPORTUNITY STATUTES: The City of Georgetown is an equal opportunity employer and does not discriminate on the basis of race, color, religion, sex, national origin, age, marital status, physical or mental disability, or any other characteristic protected by law. The City is also committed to employing only United States citizens and aliens who are authorized to work in the United States. The City complies with the Immigration Reform and Control Act of 1986. Therefore, the successful bidder must demonstrate to the satisfaction of the City that he also conforms to all Federal, state, and local equal opportunity statutes. Further, the contractor will reimburse the City of Georgetown for any damages incurred due to any violation of the above mentioned statutes by the contractor while under contract to the City.

"OR EQUAL" CLAUSE: Whenever a material, article or piece of equipment is identified on the plans or in the specifications by reference to manufacturer's or vendors' names, trade names, catalog numbers, etc., it is intended merely to establish a standard; and, any materials, article or equipment of other manufacturers and vendors which will perform adequately the duties imposed by the general design will be considered equally acceptable provided the material, article or equipment so proposed, is, in the opinion of the Owner of equal substance and function.

CONFLICTS OF INTEREST: All bidders are responsible for complying with the following KRS 45A.455: Conflicts of Interest - Gratuities and Kickbacks - Use of Confidential Information

It shall be a breach of ethical standards for any employee with procurement authority to participate directly in any proceeding or application; request for ruling or other determination; claim or controversy; or other particular matter pertaining to any contract or subcontract, and any solicitation or proposal therefore, in which to his knowledge:

He, or any member of his immediate family has a financial interest therein; or a business or organization in which he or any member of his immediate family has a financial interest as an officer, director, trustee, partner, or employee, is a party; or any other person, business, or organization with whom he or any member of his immediate family is negotiating or has an arrangement concerning prospective employment is a party. Direct or indirect participation shall include but not be limited to involvement through decision, approval, disapproval, recommendations, preparation of any part of a purchase request, influencing the content of any specification or purchase standard, rendering of advice, investigation, auditing, or in any other advisory capacity.

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It shall be a breach of ethical standards for any person to offer, give, or agree to give any employee or former employee, or for any employee or former employee to solicit, demand, accept, or agree to accept from another person, a gratuity or an offer of employment, in concoction with any decision, approval, disapproval, recommendation, preparation of any part of a purchase request, influencing the content of any specification or purchase standard, rendering of advice, investigation, auditing, or in any other advisory capacity in any proceeding or application, request for ruling or other determination, claim or controversy, or other particular matter, pertaining to any contract or subcontract any solicitation or proposal therefore.

It is a breach of ethical standards for any payment, gratuity, or offer of employment to be made by or on behalf of a subcontractor under a contract to the price contractor or higher tier subcontractor or any person associated therewith, as an inducement for the award of a subcontract or order. The prohibition against conflicts and gratuities and kickbacks shall be conspicuously set forth in every local public agency written contract and solicitation therefore.

It shall be a breach of ethical standards for any public employee or former employee knowingly to use confidential information for his actual or anticipated personal gain, or the actual or anticipated personal gain of another person.

For further information on the conflict of interest statutes, see the "Recovery of Value of Anything Transferred or Received in Breach of Ethical Standards" at KRS 45A.460, and "Definitions for Terms Used in KRS 45A.445 to 45A.460" at KRS 45A.445.

ADDENDA AND INTERPRETATIONS: No interpretation of the meaning of the plans, specifications or other pre-bid documents will be made to any bidder orally.

Every request for such interpretation should be in writing addressed to the City Clerk, 502-863-9804 or Fax 502-863-9962, (tracie.hoffman@georgetownky.gov), Georgetown, KY 40324, and to be given consideration must be received at least three (3) days prior to the date fixed for the opening of bids. Any and all such interpretations and any supplemental instructions will be in the form of written addenda to the specifications which, if issued, will be mailed by certified mail with return receipt requested to all prospective bidders (at the respective addresses furnished for such purposes). Failure of any bidder to receive any such addendum or interpretation shall not relieve such bidder from any obligation under his/her bid as submitted. All addenda so issued shall become part of the contract documents.

SPECIFICATIONS

GENERAL REQUIREMENTS:

The City is seeking a vendor(s) to provide the items listed below.

LEGAL RIGHT TO SPECIFY

The Fire Department (for the remainder of this section referred to as the “specifier”) chooses to exercise its Legal Right to Specify as determined by the U.S. Supreme Court’s affirmation of the decision handed down in the case of Whitten Corp. vs. Paddock, by the U.S. District Court of Massachusetts, the First Federal District Court, which in effect states:

1. That as trained professionals, specifiers make information judgments on products that they feel best serve their needs. Also, that proprietary specifications (if chosen) DO NOT violate any antitrust laws. Technically, very few brands of material or equipment are exactly alike, and if the specifier wants to limit the specification to one source, he has the right to do so and enforce it.
2. Only the specifier has the responsibility and judgment for determining whether a proposed substitution is an “or equal”.
3. That from start to finish in the purchasing process, only the specifier can ultimately decide if another desirable product is available in lieu of the specification.
4. Finally, that the courts concluded “the burden is on the supplier or manufacturer, who has NOT been specified, to convince the specifier that their product is equal for the purpose of a particular project”.

The specifier has determined that this product specification shall represent the product to which all offerings shall be compared. Due to the fact that firefighting is an ULTRAHAZARDOUS, UNAVOIDABLY DANGEROUS activity, only trained Fire Department personnel with specific knowledge in the area of Personal Protective Equipment shall be allowed to make the final determining decision on the selection of the appropriate product to serve the Fire Department’s needs.

**GEORGETOWN FIRE AND RESCUE
PROTECTIVE CLOTHING FOR STRUCTURAL FIREFIGHTING COAT AND
PANT**

Date Created: February 15, 2013

1.0 PURPOSE AND SCOPE

This specification defines the minimum requirements for structural firefighter personal protective equipment (PPE) providing limited protection as defined by NFPA 1971, *Standard on Protective Ensemble for Structural Fire Fighting*, 2007 Edition. In the absence of comment on a particular point, industry standard practice shall be presumed to prevail. Every exception to specifications must be clearly spelled out at the time of bid.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

2.0 UNITS OF MEASURE

Current NFPA standards applicable to this product specification express values for measurement requirements in SI (metric-based) units, followed by US (inch-pound) approximate equivalents in parentheses. For the convenience of the fire department, this product specification *reverses the order* and presents the more familiar US approximation first, followed by the SI requirement in parentheses.

3.0 CERTIFICATION

The manufacturer must certify that the garments proposed in its bid meet or exceed all requirements of NFPA 1971. The manufacturer must also list and label this product with Underwriters Laboratories Inc. (UL) or Safety Equipment Institute (SEI), as the third party certification organization prescribed in NFPA 1971. All certification testing and test preconditioning must have been performed by and ISO 17025-certified laboratory. UL, SEI, or a UL Authorized Client Test Data Program laboratory will fulfill this requirement.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

The manufacturer shall be registered to ISO 9001, *Quality Management Systems Requirements*, 2000.

Does Your Bid Comply With All Aspects of This Section?
Yes_____ No_____

4.0 **WARRANTY**

The manufacturer must provide a lifetime warranty against defects in materials and workmanship with the bid package.

Does Your Bid Comply With All Aspects of This Section?
Yes_____ No_____

5.0 **PRODUCT COUNTRY OF ORIGIN**

For liability reasons, garments must be manufactured in the United States of America or Canada by companies with their assets and incorporation within the United States of America or Canada.

Does Your Bid Comply With All Aspects of This Section?
Yes_____ No_____

6.0 **LABELING REQUIREMENTS**

Labels shall be permanently and integrally printed onto breathable materials that meet all the requirements for labels of NFPA 1971. Garment labels shall meet all requirements of NFPA 1971 Flame Resistance Test One (for vertical flame resistance of cloth). The garment shall be clearly labeled to fully identify the material content of all three layers: outer shell, moisture barrier and thermal liner. In addition, each separable layer of garment shall be labeled with the FEMSA-style DANGER label in an obvious location.

Does Your Bid Comply With All Aspects of This Section?
Yes_____ No_____

7.0 **CARE INSTRUCTIONS**

The manufacturer shall provide a user information guide for the garments, which complies with user information requirements of NFPA 1971. Topics shall include, but not necessarily be limited to: pre-use information, preparation for use, inspection frequency and details, don/doff, use consistent with NFPA 1500, maintenance and cleaning, and retirement and disposal criteria and considerations.

This document shall be packaged with each garment along with a specification summary sheet describing garment custom options, sizing and production details. This written information shall be in complete compliance with NFPA 1971 requirements, and shall reference same.

Does Your Bid Comply With All Aspects of This Section?
Yes_____ No_____

8.0 **TRACEABILITY PROGRAM**

The manufacturer shall have in place a computer maintained traceability program that provides for the assignment of a production control number to each garment. The traceability program must be capable of tracing the garment through production, from the bolts of cloth used in all three layers of the garment composite construction, to the assignment of the garment to the individual firefighter. This production control number shall be visibly located on the garment label and on other protected areas of the garment.

Does Your Bid Comply With All Aspects of This Section?
Yes_____ No_____

9.0 **PATENT CONSIDERATIONS**

The Bidder, without exception, shall indemnify and save harmless the Purchaser and its employees from liability of any nature and kind, including cost and expenses for or on account of any copyrighted, patented or un-patented invention, process, or article manufactured or used in the performance of the contract, including its use by the Purchaser. If the Bidder uses any design, device, or materials covered by letters, patent or copyright, it is mutually agreed and understood without exception that the bid prices shall include all royalties or costs arising from the use of such design, device, or materials in any way involved in the work.

Does Your Bid Comply With All Aspects of This Sections?
Yes_____ No_____

10.0 **SIZING**

To ensure a perfect fit, sizing shall be based on actual measurements taken of the firefighter by a trained measurement specialist, and sizing try-ons. Sizing measurements shall be taken according to a schedule and location(s) mutually agreed between the manufacturer and the department.

Garments shall be available in custom sizing as follows: coat chest in 2-inch (5.1 cm) increments, coat sleeve in 0.5-inch (1.3 cm) increments, coat back length in 1-inch (2.5 cm) increments. A full range of women's sizing, on women's patterns,

must also be available. Each sleeve and inseam length shall provide 100% gradation from shoulder to wrist and from hip to ankle, to provide proper fit for individual arm and leg lengths. Pattern tailoring to custom-fit neck, bicep, hip/seat and thigh circumferences must also be provided, when needed, at no additional charge. Neither Small-Medium-Large-Extra Large sizing nor women's garments cut to men's patterning are considered acceptable, since proper fit facilitates mobility and minimizes stress.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

11.0 FLAMMABILITY OF CONSITUENT MATERIALS

Labels, bindings, hang-up loops and production labels shall be tested for flame resistance and shall comply with the requirements of NFPA 1971 Flame Resistance Test One (for vertical flammability of cloth).

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

12.0 SELF-BINDING

Liner and moisture barrier shall be stitched together and turned, then topstitched, to create a self binding. The extra bulk of separate binding material is specifically prohibited.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

13.0 THREAD

All thread used in structural seams shall be Nomex of minimum Tex size T-70. Light colored garments and trim areas shall feature yellow thread. Black and dark garments shall feature black thread. Tan or bronze colored garments shall feature tan thread.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

14.0 STITCH METHODS

14.1 MAJOR A & B SEAMS

Except for the collar Major A seam, which is single-needle lock stitched three times, all Major A&B seams (as defined by NFPA 1971) shall be double stitched, double fold throughout all three layers (outer shell, moisture barrier and thermal liner), and shall be made with Nomex thread,

Tex size T-90. Detailed stitch and seam type requirements shall be Stitch type 401 (double lockstitch, as defined by ASTM D 6193-97) and Modified Seam type LSc-2 (double feld seam, modified only to ensure that both stitch lines penetrate all layers of cloth at joining, otherwise as defined by ASTM D 6193-97).

Also, all moisture barrier seams shall be tape-sealed to meet all requirements of the NFPA 1971 Liquid Penetration Resistance Test.

Does Your Bid Comply With All Aspects of This Section?

For Outer Shell?	Yes_____ No_____
For Thermal Lining?	Yes_____ No_____
For Moisture Barrier?	Yes_____ No_____

14.2

MINOR SEAMS

Most minor seams, such as storm shields and mated hems, shall also be stitched with the specified Nomex thread. Detailed stitch and seam type requirements shall be Stitch type 301 (lockstitch as defined by ASTM D 6193-97) and Seam Type SSae-2 (as defined by ASTM D 6193-97) for both before and after required turning.

Does Your Bid Comply With All Aspects of This Section?
Yes_____ No_____

14.3

POCKETS

Flat garment pockets shall be stitched with specified Nomex thread. Detailed stitch and seam type requirements shall be Stitch type 301 (lockstitch as defined by ASTM D 6193-97) and Seam Type LSd-2 (as defined by ASTM D 6193-97).

3-Dimensional pocketing shall feature these same construction details, but the reinforced single stitch Seam Type LSD-1 (as defined by ASTM D 6193-97) may be substituted for LSd-2 (as defined by ASTM D 6193-97).

Does Your Bid Comply With All Aspects of This Section?
Yes_____ No_____

14.4

TRIM AND DANGER LABELS

Trim and DANGER labels shall be stitched with the specified Nomex thread. Detailed stitch and seam type requirements shall be Stitch Type 301 (lockstitch as defined by ASTM D 6193-97) and Seam type SSbd-1 (as defined by ASTM D 6193-97).

Does Your Bid Comply With All Aspects of This Section?
Yes_____ No_____

14.5

SINGLE LAYER HEMMING AND FINISHING

Single layer hemming and finishing shall be stitched with the specified Nomex thread. Detailed stitch and seam type requirements shall be Stitch Type 301 (lockstitch as defined by ASTM D 6193-97) and Seam Type EFb-1 (as defined by ASTM D 6193-97).

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

15.0

POCKETS

If exterior pockets are specified in either the COAT CUSTOM OPTIONS TO BE PROVIDED section or in the PANT CUSTOM OPTIONS TO BE PROVIDED section, the following requirements shall apply to all such custom option specified exterior pockets:

All pocket flaps shall be reinforced at the top corners with bar tack stitching.

All pockets shall be reinforced with an extra layer of NFPA-certified outer shell, moisture barrier, or other NFPA-certified reinforcement material for extra durability. The Exact location of the reinforcements shall be identified in the custom options section(s).

All pockets shall have a means to drain water and shall have a means of closure.

All pocket closures shall be made either with hook and loop fastener tape a minimum of 1.5 inches (3.8 cm) wide, with a flap. The specific placement of the closure system shall be declared at the time of order.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

16.0

TAILORED GRADING OF GARMENT LININGS

Wherever garment linings are specified, including but not limited to thermal linings and moisture barriers, each such lining layer shall be tailor-graded to fit within the overall garment composite of all layers without causing bunching or binding when the garment is worn.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

17.0

POINTS OF STRESS

All points of stress shall be reinforced with sturdy bartacks. Rivets are not acceptable because of their potential for rust and electrical or heat conduction.

Does Your Bid Comply With All Aspects of This Section?
Yes_____ No_____

18.0

HIGH TEMPERATURE, NFPA 1971-CERTIFIED MATERIAL REINFORCEMENTS

Reinforcements shall be provided at cuffs and pockets and shall meet the requirements of NFPA 1971.

For cuff reinforcements only: Manufacturer shall provide cuff reinforcements made of outer shell material at no additional cost. If the purchaser specifies reinforcements made of materials other than outer shell material, the manufacturer shall identify the additional cost for the specified material.

For pocket reinforcements only: Any NFPA 1971-certified material may be used in the reinforcement of the pocket. If the purchaser requests specific NFPA 1971-certified materials for pocket reinforcements, the manufacturer shall identify the additional cost for the specified material.

Does Your Bid Comply With All Aspects of This Section?
Yes_____ No_____

19.0

ASSET TRACKING SERVICES

Upon request, the manufacturer shall be capable of providing a Windows-compatible software program for the tracking of care, cleaning and maintenance of the department's PPE.

This tracking program shall meet or exceed all record-keeping requirements of standard NFPA 1851, *Standard on Selection, Care, and Maintenance of Structural Fire Fighting Protective Ensembles*, 2001 Edition.

Labels on each separable part of the garment shall include a standard style interleaved 2 of 5 barcode containing (at minimum) an individualized serial number for assist tracking purposes.

The Manufacturer must be capable of providing onsite or internet training to department personnel who are involved with daily use of this tracking program, and if there is an additional cost involved for this service, the Bidder must disclose those costs at the time of bid.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

20.0

REPAIRS AND ALTERATION SUPPORT

The manufacturer shall furnish, free of charge, reasonable quantities of NFPA 1971-certified thread, materials and other supplies to allow the department to manage its own ongoing internal maintenance efforts. Also, the manufacturer shall provide on call at no charge, during normal business hours, a liaison for the repair department to assist the Fire Department on a telephone consultation basis, on all maintenance or repair questions that might arise. Additionally, the manufacturer shall agree to expedite, on its own cost-only basis, all repairs that must be performed at the manufacturer's plant, rather than in department, over the life of the contract.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

21.0

HIGH TEMPERATURES THERMAL INSULATION MATERIALS REQUIREMENT

Because thermally stable materials are essential to maximizing protective performance in firefighters' PPE, and because NFPA only states "minimum" performance requirements, all thermal liner or thermal enhancing materials used in the garments shall also meet the following criteria after the 500 degree F oven test:

- 1) Material shall remain intact and flexible.
- 2) No portion of the material shall crack, crumble or flake.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

22.0

BREATHABILITY REQUIREMENT

Excluding where required by NFPA standard, necessary for functionality, or specifically called out in the custom option sections, all materials used in the construction of garments shall be breathable and all moisture barrier material must be as specified in the following materials section, or must be Crosstech.

The breathability requirement includes but is not limited to: collar, chinstrap, storm shield, fly, waterwells, from coat facings, labels, and reinforcement cushioning where applicable.

Areas where non-breathability is allowed (absent Custom Option specifications): trim, hook and loop fastening, hardware or hardware backing, and external pocketing.

Does Your Bid Comply With All Aspects of This Section?
Yes_____ No_____

23.0 **CONDUCTIVE AND COMPRESSIVE HEAT RESISTANCE (CCHR)**

Using breathable materials as outlined in the section titled Breathable Materials, there shall be a minimum area of 4" X 4" (10.2 cm X 10.2 cm) at the shoulders and elbows that provide a minimum of 25 CCHR at 2 psi, and a minimum 6" X 6" (15.2 cm X 15.2 cm) area at the knees that provide 25 CCHR at 8 psi. All three compression areas shall be constructed of high temperature fiber based materials and sewn to the thermal liner on the inside of the liner toward the moisture barrier.

Does Your Bid Comply With All Aspects of This Section?
Yes_____ No_____

24.0 **SEAM PROTECTION AT CUFFS**

At the coat and pant cuff Major A seams, the reflective trim shall stop just before the folding of the full field seam and for additional abrasion protection be covered by a sewn on, 0.75" (1.91cm) wide black Nomex webbing material laid on top of the Major A seam and covering each end of the trim.

Does Your Bid Comply With All Aspects of This Section?
Yes_____ No_____

25.0 **APPLICABLE DOCUMENTS**

The following standards in their active versions on the date of invitation for bid shall form a part of this specification to the extent specified herein.

<u>STANDARD</u>	<u>TITLE</u>
ASTM D 6193-97	Standard Practice for Stitches and Seams
NFPA 1500, 2002 Edition	Standard on Fire Department Occupational Safety and Health Program
NFPA 1851, 2001 Edition	Standard on Selection, Care, and Maintenance of Structural Fire Fighting Protective Ensembles
NFPA 1971, 2007 Edition	Standard on Protective Ensemble for Structural Fire Fighting

Does Your Bid Comply With All Aspects of This Section?
Yes_____ No_____

To avoid liability and interface problems, coats and pants shall be procured from the same manufacturer.

27.0 DESIGN CONCEPT (STYLING)

The coat shall be approximately 6 inches (15.2 cm) longer at the rear hem than at the front and provide continuous and unbroken moisture barrier and thermal liner protection from the collar seam to the hem at the bottom of the coat tail. Each coat length shall be determined by each individual's torso length and the coat-to-pant interface as defined by NFPA 1500. Coat design must interface properly with standard waist high bunker pants.

Does Your Bid Comply With All Aspects of This Section?
Yes_____ No_____

28.0 PATTERNING CONCEPT

Garments shall feature a tailored three-piece body, one-piece back construction throughout the outer shell, moisture barrier and thermal liner layers. One-piece garments (either all layers or some layers) will not be considered acceptable since they cannot be tailored to hard-to-fit personnel. Similarly, garments with seams in mid-back are not considered acceptable because of backbone irritation that can occur with SCBA use. To facilitate individual tailoring needs, the major A & B seams joining the one-piece back to the right and left front body panels (outer shell and all interior layers) shall be located at the most lateral position when the coat is laid flat for inspection.

Does Your Bid Comply With All Aspects of This Section?
Yes_____ No_____

29.0 DRAG RESCUE DEVICE (DRD)

Manufacturer shall supply and NFPA required and certified Drag Rescue Device with each coat. The device shall be designed to fit each individual chest size. Each strap will be properly labeled with DANGER labels that include what chest size the Rescue Strap is designed to fit along with instructions for care and installation/removal of the Rescue Strap.

Rescue Strap shall be designed in a fashion that it functionally provides a dynamic and articulated action and to eliminate excess strapping material hanging down the back when installed between the garment's liner and outer shell.

The grab loop shall extend upward and pass through a reinforced slot in the coat outer shell just below the center rear of the collar seam where it will exit the outer shell where it will be covered by an outer shell tunnel. The protruding grab loop shall then fold back down over the top of the tunnel and be towed by Velcro with the pile sewn for the width of the tunnel and the hook sewn on the grab loop. There shall then be an outer shell flap sewn below the collar that will fold down over the stored grab loop and held in place with Velcro to reduce the chances of snagging the grab loop by accident.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

30.0 LINER ATTACHMENT

The completed liner-moisture barrier assembly shall be completely removable. The moisture barrier / thermal liner shall be completely detachable from the outer shell for ease of cleaning. All moisture barrier seams shall be sealed as required by NFPA 1971. The liner design system shall not allow products of combustion or other contaminants to move into the liner interior between the moisture barrier and thermal liner. The liner shall be attached to the outer shell in a way which also allows continuous protection against products of combustion or other contaminants to move in between the liner and outer shell. This includes interior front attachments, attachments at the neck or collar line, attachments at the sleeves using snap(s), along with attachment snap(s) for alignment along the bottom of the liner to the outer shell, to avoid bunching up of liner while donning coat. All methods of seals and attachments used to attach thermal layer, moisture barrier, and outer shell into one unit shall not impede in any form or a fashion the donning or doffing, nor shall they be noticeably felt by the wearer of the coat in as much as impeding the mobility and comfort of the coat. The Liner attachment shall have an inspection port where as the entire liner including the sleeves can be turned inside out for full advanced inspections of materials from the inside out.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

31.0 COAT CERTIFICATION LABEL ON LINER AND SHELL

Both the liner and outer shell shall have a coat certification label conspicuously attached stating at least the following language:

DO NOT REMOVE THIS LABEL

THIS GARMENT MEETS THE GARMENT REQUIREMENTS OF NFPA 1971,
STANDARD ON PROTECTIVE ENSEMBLE FOR STRUCTURAL FIRE FIGHTING,
2007 EDITION

MADE IN THE USA

Along with detailed warning instructions provided by the manufacturer. This coat certification label on the liner shall be lockstitched to the inside right body panel in a fashion to provide an inside liner pocket.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

32.0 COLLAR

The collar shall be of layered construction, consisting of a layer of waterproof moisture barrier and a layer of NFPA 1971 certified insulation material, sandwiched between two (2) layers of specified outer shell material. NFPA compliant collars shall be at least 3 inches (7.6 cm). The design shall incorporate in its patterning a natural contour that will allow proper fit and performance in the standing (upright) or stowed position.

The left outside of the collar shall have a sewn piece of hook and loop fastener hook tape for chinstrap-to-collar closure in the standing position. This hook and loop fastener hook tape shall also be of significant length to be compatible for chinstrap-to-collar closure in the chinstrap-to-collar stowed position. Each collar shall be graded to individual coat sizes.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

33.0 CHIN STRAP

The chinstrap shall be layered construction identical to that of the collar configuration described in the previous paragraphs. Chinstrap shall be of a crescent shaped design with minimum dimensions of 3 inches (7.5 cm) wide measured in the center tapering down on each end. The chinstrap will be attached to the right side of the collar. The chinstrap will also have hook and loop fastener loop tape on both front and back sides of the left side of the chinstrap. The inside loop tape will be to secure the chinstrap in the front (use) position, and the loop tape on the outside will be to secure the chinstrap flatly on the back of the collar in the back (stowed) position using the same hook and loop fastener hook tape on the collar. The collar and chinstrap combination along with the rest of the ensemble must pass the Whole Garment Liquid Penetration Test.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

34.0 HANG-UP LOOP

A minimum 80-pound (36.3 kg) tear strength hang-up loop shall be provided at the interior collar seam. The loop shall be constructed of layered specified outer shell material stitched to the coat.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

35.0 SLEEVES

To prevent stove piping, sleeves shall be individually graded by coat size and sleeve length. For maximum freedom, sleeve design shall feature extra full cut one-piece outer shell set-in sleeves with built-in bellows. To reduce the chances of possible top seam failure in that high thermal exposure area, the sleeve Major A seam shall follow the underside of the arm and shall not cross over the outside of the elbow joint. Sleeve seam and sleeve attachment to coat body in all layers shall be 100% double fold and double stitched for maximum strength (that is, Major A seam requirement, as previously defined in this specification). Sleeve cuffs shall be reinforced with outer shell material.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

36.0 INNER WRISTLET & WATERWELL

Every coat shall feature double-layer 100% Nomex knit water resistant inner wristlets protected by a flame-resistant and moisture-resistant waterwell. The inner wristlet shall be sewn to the thermal liner sleeve end (not to the outer shell). A specified moisture barrier waterwell with elastic gather shall be sewn to the moisture barrier sleeve end with all seams sealed to allow maximum channeling of water away from inside the moisture barrier / thermal liner sleeve end. This sleeve well configuration shall serve to prevent water and other hazardous elements from entering the sleeves when the arms are raised. This inner wristlet will include a double stitched thumb loop with a 5/8" X 3 1/4" Nomex webbing to secure the inner wristlet to the firefighter's hand. The inner wristlet and waterwell assembly shall be sewn and sealed in a manor to prevent pullout and shall be interface capable with the appropriate glove to provide wrist protection and must pass the NFPA 1971 Whole Garment Liquid Penetration Test.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

37.0 EXTERNAL WRISTLET

Every coat shall feature a 100% Nomex knit water resistant outer wristlet, which shall be mounted to the end of each outer shell sleeve to prevent liquid and debris movement up the sleeve between the outer shell and the moisture barrier / thermal liner assembly.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

38.0 FRONT CLOSURE PROTECTIVE OVERLAP

There shall be continuous thermal and moisture protection around the entire torso including the storm flap. To ensure this protection, as well as reduce potential for wicking moisture to inside of liner, both right and left inside front facings of the coat outer shell shall incorporate the specified outer shell, moisture barrier and thermal liner materials. The front closure shall consist of four (4) snap hooks shall be set with reinforced rivets at the right side of the coat front underneath the storm flap. Opposite of each snap hook, a corresponding dee ring set to the underside of the leading edge of the left coat front with reinforced rivets. Three glove snaps shall be placed between the inside hook and dee rings to assure proper closure.

The storm flap should consist of specified moisture barrier material wrapped by outer shell material. Its closing shall consist of no less than 2" of hook and loop fastener appropriately applied with the loop tape placed inside the storm flap and the hook tape placed in the corresponding location on the left coat front for complete closure and protection. It shall cover the entire length of the coat front closure system in a fashion to prevent liquid entry during the NFPA 1971 Whole Garment Liquid Penetration Test.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

39.0 COMPOSITE MATERIALS

1) OUTER SHELL

PBI MAX - 70% PBI / Kevlar spun yarns, 30% 600 denier Kevlar filament yarns,
7 oz Comfort Twill - Black

2) THERMAL LINING

The thermal liner shall consist of material consisting of Nomex and or Kevlar and or E89 to meet or exceed specified minimum (TPP) and (THL) ratings when tested according to NFPA 1971 standard.

3) MOISTURE BARRIER

Crosstech Black moisture barrier Type 2f

Does Your Bid Comply With All Aspects of This Section?

For Outer Shell: Yes_____ No_____

For Thermal Lining: Yes_____ No_____

For Moisture Barrier: Yes_____ No_____

40.0 COMPOSITE PERFORMANCE

The garment composite, consisting of the outer shell, moisture barrier and thermal liner, shall provide a Thermal Protective Performance (TPP) of not less than 40 when tested in accordance with NFPA 1971 standard.

The garment composite, consisting of the outer shell, moisture barrier and thermal liner, shall provide a Total Heat Loss (THL) of not less than 240 when tested in accordance with NFPA 1971 standard.

The Heat Transfer Index rating shall be 25 seconds for the shoulder when measured at 2 psi (pounds per square inch).

It will be the responsibility of the bidder to provide the specifier with accurate (TPP) and (THL) ratings of there specified gear.

41.0 COAT CUSTOM OPTIONS TO BE PROVIDED

Instructions in this custom options section that contradict earlier specifications or statements supersede those earlier specification or statements as long as the required certifications are not compromised.

Reflective trim will be double stitched and consist of lime 2-tone Reflexite Brilliance with one 3 inch strip shall be set full circumference at the bottom of the outer shell; one 3 inch strip shall circumference at the chest; one 2 inch strip at bottom of tail below name patch; and a split cuff trim for the sleeves consisting of one 3 inch strip halfway around bottom for each sleeve along with another 3 inch strip directly above covering the other half of the sleeve. These reflective trim strips will be reinforced at the seam by overlaying additional abrasion protection by a sewn on 0.75 inch (1.91 cm) wide black Nomex webbing material laid on top of seam for reinforcement at the junction.

Does Your Bid Comply With All Aspects of This Section?
Yes_____ No_____

The coat shall have a Back patch made of outer shell material at the top of the coat below the DRD with "GEORGETOWN" spelled using 3 inch sewn letter using lime Reflexite Brilliance. This will be laid out in an upward arching pattern centered on the back of the coat.

The coat shall have a hem patch made of outer shell material sewn on the tail of the coat with the Firefighters 1st initial and last name using 3 inch letters of lime

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Reflexite Brilliance. The exception of 2 inch letters will be expectable if needed for the name to fit.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

The thermal liner / moisture barrier assembly shall have extended dead air panels sewn in to add extra thermal layer protection to the shoulders of the coat.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

On the right chest of the outside of the coat shall be a Flashlight Clip made of outer shell material with snaps on strap. Strap shall be 1" by 12" long with two (2) snaps 2" between snaps located just above reflective chest trim. The right chest shall also have a Mic Tab made of outer shell material measuring 0.5" X 2.5" approximately 6 inches above flashlight strap. There shall also be a hanging 703 hook applied to outer shell approximately 5 inches above previous listed Mic Tab and located just left of the left most attachment of mic tab. This 703 hook shall be securely fastened to the coat by means of an outer shell material strap looped through the end of the hook and bartacked to the outer shell.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

On the Left chest of the outside of the coat shall be a Radio pocket made of outer shell material measuring 9.5" X 3.5" X 2", containing a brass eyelet to allow water drainage. There shall also be a Mic tab approximately 2 inches above it measuring 0.5" X 2.5" made of outer shell material.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

The Coat shall also consist of both right and left side X-large Half Hi Bellows pockets measuring 7" X 9" X 2" made of outer shell material, and Kevlar reinforcement on the inside of the entire pockets, also to include brass eyelets for water drainage. These pockets shall also have black fleece hand warmers behind the bellows pockets. The pockets shall have closings consisting of outer shell material using hook and loop fasteners with the hook tape stretching horizontally along the width of the pocket and the loop tape consisting of three (3) vertical strips applied to the inside of the closing spaced evenly across the width to assure full closure.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

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All Additions to coat to include but not necessarily limited to storage and radio pockets shall not interfere with reflective strips. In areas where pockets and reflective trim are in same location, specified reflective strips shall be placed over top of pockets to insure visibility.

Does Your Bid Comply With All Aspects of This Section?
Yes_____ No_____

This completes the specifications of the PPE coat to be placed for bid by specifier. All interested manufacturers and vendors who submit a bid will be evaluated and considered for this bid.

42.0 ADDITIONAL OPTIONS

The following specifications will be requested as additional options in addition to the specs previously listed. These specifications should not be included in the bid but shall be individually identified as to availability and price increase or decrease if **specifier** was to **choose** to substitute such options in previously specified PPE coat.

1) The substitution of the Steadair 4000 as the moisture barrier in place of the Crosstech Black 2F.

Can This Substitution Be Supplied in Your Bid? Yes_____ No_____

Cost Addition or (Subtraction) for This Substitution? _____

2) Reinforcement of sleeve cuffs with Ara-Shield material. The cuff reinforcements shall not be less than 2 inch in width and folded in half, approximately one half inside and one half outside the sleeve end for greater strength and abrasion resistance.

Can This Substitution Be Supplied in Your Bid? Yes_____ No_____

Cost Addition or (Subtraction) for This Substitution? _____

3) The Addition of a 4 inch wide area at the top of the shoulders extending 6 inches from the collar seam shall be capped with outer shell material for abrasion resistance and thermal protection.

Can This Substitution Be Supplied in Your Bid? Yes_____ No_____

Cost Addition or (Subtraction) for This Substitution? _____

43.0 EXCEPTIONS

All “NO’s” that have been checked in your bid shall be explained as to why your bid can not comply and include what exceptions you would be making to the specification, or if you cannot supply the specified item.

To avoid liability and interface problems, coats and pants shall be procured from the same manufacturer.

44.0 DESIGN CONCEPT (STYLING)

The pant shall be of a traditional waist-high-only design to facilitate full torso ventilation of front, rear and sides of trunk for maximum body cooling effect to help minimize firefighter heat stress. For this reason, other than waist-high pants shall not be considered acceptable or “equal” since additional trunk wrapping traps heat and moisture, increasing heat stress buildup while also creating mechanical resistance when covering the natural torso flexion point of the waist.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

45.0 PATTERNING CONCEPT

Garments shall feature a tailored four-piece outer shell with a two-piece moisture barrier and lining. A pant with a four-piece moisture barrier and thermal liner shall be provided, at no additional charge, when and if an individual’s tailoring needs require it.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

46.0 REINFORCED CUSHIONED KNEE

The knee shall consist of three (3) additional layers of specified thermal liner and moisture barrier material will be sewn to the knee area of the liner system for added protection and increased thermal insulation at contact points. The knee thermal enhancement layers shall be sandwiched between the thermal liner and moisture barrier layers of the liner system and shall be stitched to the thermal liner layer only.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

The knee area shall be reinforced with black “ARASHIELD” material. The knee reinforcement shall be slightly offset to the inside of the leg to insure proper coverage when bending, kneeling and crawling. The knee reinforcements shall measure 9 inches wide by 12 inches high and shall be double stitched to the outside of the outer shell in the knee area for greater strength and abrasion resistance. The lower edge of the

ARASHIELD knee reinforcement shall be turned under so that the lower row of stitching is covered and protected from abrasion.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

Padding for the knees shall be accomplished with one layer of Neoprene coated aramid batt and three layers of quilted NOMEX batt. All layers of NOMEX batt shall be sandwiched between the shell and the knee reinforcement layers. The Neoprene shall face outward.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

47.0 SUSPENDER BUTTONS

Eight (8) heavy-duty, rust-resistant suspender buttons shall be positioned around the waist. Suspender buttons shall be mounted through waistband of triple layer outer shell material that is internally reinforced with an additional band of coated needlepunch aramid.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

48.0 LINER ATTACHMENT

The moisture barrier and thermal liner assembly shall be attached to the outer shell at the cuff by means of two (2) Nomex webbing snap assemblies per leg, and to the waistband, at the waist, with no less than seven (7) evenly-spaced glove snaps.

The liner system design shall not allow products of combustion or other contaminants to move into the liner interior between the moisture barrier and thermal liner. For instance, separately hemmed and bartacked liner and moisture barrier with open edge designs would not be acceptable.

The liner attachment shall have an inspection port where as the entire liner including the legs can be turned inside out for full advanced inspections of materials from the inside out.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

49.0 PANT CERTIFICATION LABEL ON LINER AND SHELL

Both the liner and outer shell shall have a pant certification label conspicuously attached stating at least the following language:

DO NOT REMOVE THIS LABEL

THIS GARMENT MEETS THE GARMENT REQUIREMENTS OF NFPA 1971,
STANDARD ON PROTECTIVE ENSEMBLE FOR STRUCTURAL FIRE FIGHTING,
2007 EDITION

MADE IN THE USA

Along with detailed warning instructions provided by the manufacturer.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

50.0 FLY FRONT

The outer shell fly shall be lockstitched to the left side of the front opening and shall be in proportion to waist size and crotch rise in both length and width. Fly inner lining shall extend at least 2 inches (5.1 cm) to the left of the outer shell fly attachment seam and shall be constructed of certified breathable moisture barrier and thermal liner. The right front pant opening shall have an internal facing extending at least 2 inches (5.1 cm) to the right and constructed of specified fabric. In combination with the liner, the system shall offer 360-degree protection without gaps during movement of the outer shell moisture barrier and thermal liner. Closure shall be by means of a minimum 1.5-inch-wide (3.8-cm-wide) hook and loop fastener, and all construction techniques used shall provide liquid penetration protection under the NFPA 1971 Whole Garment Liquid Penetration Test. The fly shall be graded to the waist size of garments and crotch rise.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

If allowed by internal harness type and arrangement the closure shall also consist of a Hook and Dee closure at waist of the pants.

Does Your Bid Allow For This Option?

Yes_____ No_____

51.0 INTERNAL HARNESS

The pant assembly shall include an INTEGRATED CLASS II RESCUE HARNESS: An NFPA 1983 2006 edition class II life safety harness will be positioned between the outer shell and thermal liner and integrated into the bunker pant by use of belt loops in order for the harness to be removable. The harness, shall also meet all requirements for the NFPA 1971, 2007 Edition Standard. Class II harnesses are designed for rescue with a design load of 600lbs. the harness is designed to respond to the user when loaded, but is

relaxed when not in use. It incorporates a 360-degree waist belt in addition to two (2) leg loops for supporting the load. This harness shall **not** have "A-frame" design incorporating bailout/ladder belt D ring.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

In addition to the harness if permitted by the harness type and arrangement the pants shall incorporate Take-up straps on each side of waist.

Does Your Bid Allow For This Option?

Yes_____ No_____

52.0 COMPOSITE MATERIALS

1) OUTER SHELL

PBI MAX – 70% PBI / Kevlar spun yarns, 30% 600 denier Kevlar filament yarns,
7 oz Comfort Twill - Black

2) THERMAL LINING

The thermal liner shall consist of material consisting of Nomex and or Kevlar and or E89 to meet or exceed specified minimum (TPP) and (THL) ratings when tested according to NFPA 1971 standard.

3) MOISTURE BARRIER

Crosstech Black moisture barrier Type 2f

Does Your Bid Comply With All Aspects of This Section?

For Outer Shell: Yes_____ No_____

For Thermal Lining: Yes_____ No_____

For Moisture Barrier: Yes_____ No_____

53.0 COMPOSITE PERFORMANCE

The garment composite, consisting of the outer shell, moisture barrier and thermal liner, shall provide a Thermal Protective Performance (TPP) of not less than 40 when tested in accordance with NFPA 1971 standard.

The garment composite, consisting of the outer shell, moisture barrier and thermal liner, shall provide a Total Heat Loss (THL) of not less than 240 when tested in accordance with NFPA 1971 standard.

The heat Transfer Index rating shall be 25 seconds for the knee when measured at 8 psi (pounds per square inch).

It will be the responsibility of the bidder to provide the specifier with accurate (TPP) and (THL) ratings of there specified gear.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

54.0 PANT CUSTOM OPTIONS TO BE PROVIDED

Instructions in this custom options section that contradict earlier specifications or statements supersede those earlier specification or statements as long as the required certifications are not compromised.

Reflective trim will be double stitched and consist of lime 2-tone Reflexite Brilliance with one 3 inch strip shall circumference at the bottom of the pant cuff. Additional abrasion protection shall be provided by a sewn on 0.75 inch (1.91 cm) wide black Nomex webbing material laid on top of the major pant seam and covering each end of the trim.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

The pant shall have Extra Large bellows pockets consisting of outer shell material measuring 10" X 10" X 2". These pockets shall be reinforced on the inside with ARASHILED MATERIAL covering the entire inside of the pocket. The pockets shall have closings consisting of outer shell material using hook and loop fasteners with the hook tape stretching horizontally along the width of the pocket and the loop tape consisting of three (3) vertical strips applied to the inside of the closing spaced evenly across the width to assure full closure.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

The cuffs of the pants shall be reinforced with ARASHILED MATERIAL. The cuff reinforcements shall not be less than 2 inch in width and folded in half, approximately one half inside and one half outside the sleeve end for greater strength and abrasion resistance.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

The outer shell pant leg cuffs shall be constructed such that the back of the leg is no less than 1 inch shorter than the front. The liner will also have a reverse boot cut at the rear of the cuff and a concave cut at the front to keep the liner from hanging below the shell. This construction feature will minimize the chance of premature wear of the cuffs and injuries due to falls as a result of "walking on the pant cuffs.

Does Your Bid Comply With All Aspects of This Section?

Yes_____ No_____

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The pants shall be supplied with adjustable suspenders that are compatible to the 8 button suspender attachments previously specified. These suspenders shall be of the ripcord like adjusting system in the front, and padded on the shoulders. They shall be made of durable material in combination with elastic like material to avoid stiffness on the wearer. The specifier reserves the right to select the type of suspenders at the appropriate cost adjustment of the options provided by the winning bidder of this specification.

Does Your Bid Comply With All Aspects of This Section?
Yes_____ No_____

This completes the specification of the PPE Pant to be placed for bid by specifier. All interested manufacturers and vendors who submit a bid will be evaluated and considered for this bid.

55.0 ADDITIONAL OPTIONS

The following specifications will be requested as additional options in addition to the specs previously listed. These specs should not be included in the bid but shall be individually identified as to availability and price increase or decrease if **specifier** was to **choose** to substitute or add such options in previously specified PPE pant.

- 1) The substitution of the Steadair 4000 as the moisture barrier in place of the Crosstech Black 2F.

Can This Substitution Be Supplied in Your Bid? Yes_____ No_____
Cost Addition or (Subtraction) For This Substitution? _____

- 2) The addition to deter the wicking of moisture up the thermal liner leg, an added layer of material or “wrapping” of moisture barrier to cover the bottom 9 inches of the pant leg in the areas of the thermal layer covered by the boot.

Can This Substitution be supplied in Your Bid? Yes_____ No_____
Cost Addition or (Subtraction) For This Substitution? _____

- 3) The option of the right pant pocket to be constructed as a Rescue/Escape pocket for stowing of rescue rope and hardware used in a rapid bail-out situation.

Can This Substitution Be Supplied in Your Bid? Yes_____ No_____
Cost Addition or (Subtraction) For This Substitution? _____

56.0 EXCEPTIONS

All “NO’s” that have been checked in your bid shall be explained as to why your bid can not comply and include what exceptions you would be making to the specification, or if you cannot supply the specified item.

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AFFIDAVIT

Comes the Affiant, _____, and after being first duly sworn under penalty of perjury as follows:

1. His/her name is _____ and he/she is the _____ individual or the _____ authorized representative of _____ (hereinafter referred to as "Bidder"), and is authorized to submit the bid response form, equal opportunity agreement and Vendor's Statement Pursuant to KRS 45A.343 attached hereto and incorporated herein by reference.
2. Bidder will pay all taxes and fees, which are owed to the City of Georgetown at the time the bid is submitted, prior to award of the contract and will maintain a "current" status in regard to those taxes and fees during the life of the contract.
3. Bidder will obtain a City of Georgetown business license, if applicable, prior to award of the contract.
4. Bidder has authorized the City of Georgetown to verify the above-mentioned information with the Division of Revenue and to disclose that taxes and/or fees are delinquent or that a business license has not been obtained.
5. Bidder has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky within the past five (5) years and the award of a contract to the Bidder will not violate any provision of the campaign finance laws of the Commonwealth.
6. Bidder has not knowingly violated any provision of Chapter 2 of the City of Georgetown Code of Ordinances, known as "Ethics Act."
7. Bidder acknowledges that "knowingly" for purposes of this Affidavit means, with respect to conduct or to circumstances described by a statute or ordinance defining an offense, that a person is aware or should have been aware that his conduct is of that nature or that the circumstance exists.

Further, Affiant sayeth naught.

STATE OF _____
COUNTY OF _____

The foregoing instrument was subscribed, sworn to and acknowledged before me by _____ on this the _____ day of _____, 2012.

My Commission expires: _____

NOTARY PUBLIC, STATE AT LARGE

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BID RESPONSE FORM

NAME OF FIRM: _____

ADDRESS: _____

PRICING INFORMATION

Description

Price

ADDITIONAL INFORMATION PROVIDED

Describe

Attached

Yes_____

No_____

Yes_____

No_____

Yes_____

No_____

Yes_____

No_____

NAME (TYPE OR PRINT): _____

*Authorized Signature: _____

Date: _____ Telephone: _____

*Signature certifies the proposed solution and services meet all requirements outlined in this bid proposal and the vendor will comply with all specified requirements unless exceptions are noted below.

EXCEPTIONS TO SPECIFICATIONS AND/OR COMMENTS

NAME OF FIRM: _____

A bid bond or check in the amount of five (5%) percent of this bid made payable to the City of Georgetown is attached hereto.

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EQUAL OPPORTUNITY AGREEMENT

The Law

- Title VII of the Civil Rights Act of 1964 (amended 1972) states that it is unlawful for an employer to discriminate in employment because of race, color, religion, sex, age (40-70 years) or national origin.
- Executive Order No. 11246 on Nondiscrimination under Federal contract prohibits employment discrimination by vendor and sub-vendor doing business with the Federal Government or recipients of Federal funds. This order was later amended by Executive Order No. 11375 to prohibit discrimination on the basis of sex.
- Section 503 of the Rehabilitation Act of 1973 states:
 - The Vendor will not discriminate against any employee or applicant for employment
 - Because of physical or mental handicap.
- Section 2012 of the Vietnam Era Veterans Readjustment Act of 1973 requires Affirmative Action on behalf of disabled veterans and veterans of the Vietnam Era by vendors having Federal contracts.
- Section 206(A) of Executive Order 12086, Consolidation of Contract Compliance Functions for Equal Employment Opportunity, states:
 - The Secretary of Labor may investigate the employment practices of any Government
 - vendor or sub-vendor to determine whether or not the contractual provisions specified in Section 202 of this order have been violated.

The City of Georgetown practices Equal Opportunity in recruiting, hiring and promoting. It is the Government's intent to affirmatively provide employment opportunities for those individuals who have previously not been allowed to enter into the mainstream of society. In following this commitment to Equal Employment Opportunity and because the Government is the benefactor of the Federal funds, it is both against the Government policy and illegal for the Government to let contracts to companies which knowingly or unknowingly practice discrimination in their employment practices. Violation of the above mentioned ordinances may cause a contract to be canceled and the vendors may be declared ineligible for future consideration.

Please sign this statement in the appropriate space acknowledging that you have read and understand the provisions contained herein. Return this document as part of your application packet.

Bidders

I/We agree to comply with the Civil Rights Laws listed above that govern employment rights of minorities, women, Vietnam veterans, handicapped and aged persons.

Signature

Name of Business

SPECIFICATIONS FOR FIREFIGHTER PROTECTIVE EQUIPMENT
BID OPENING: 2:00 PM PREVAILING LOCAL TIME
March 19, 2013

VENDOR'S STATEMENT PURSUANT TO KRS 45A.343

45A.343 Local Public Agency may adopt provisions of KRS 45A.345 to 45A.460—

Effect of adoption – Contracts are required to mandate revealing of violations of and compliance with specified KRS chapters – Effect of nondisclosure or noncompliance. (KRS 136 – Corporate taxes; KRS 139 – Sales & use taxes; KRS 141 – Income taxes; KRS 337 – Wage and hour; KRS 338 – Occupational safety; KRS 341 – Unemployment; KRS 342 – Workers Comp.)

The undersigned, as a duly authorized officer of _____ pursuant to KRS 45A.343 states;

1. To the best of my knowledge, information and belief, _____ has not been finally determined to have violated any of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, or 342 that apply to it within the five year period preceding this statement.

2. _____ acknowledges that it will be required to be in compliance with those provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 that apply to it for the duration of the Contract to be entered into with the City of Georgetown, Kentucky.

3. _____ acknowledges that if it fails to reveal any final determination of violation of KRS Chapters 136, 139, 141, 337, 338, 341, or 342, or to comply with the applicable provisions of those statutes for the duration of the aforesaid Contract, such shall be grounds for The City of Georgetown, Kentucky to:

- a) Cancel its contract with _____, and
- b) Disqualify _____ from eligibility for future contracts awarded by The City of Georgetown for a period of two years.

This the _____ day of _____, 2011.

(Company Name)

By: _____

Title: _____